LBA: 196 & 107 SUITABILITY BROWP: C-1

SPECIES		CIES ILITY 1 / IRRIBATED	SPECIES PRODUC- TIVITY 2_/	GRAZING PREFERENCE 3_/	STAND ESTABLISH MENT 4_/		TILII EDS 5		Ph range 6_/	DROUGHT TOLERANCE
WARM SEASON SRASSES BIG BLUESTEN KAN POMNEE	7 7 7	- -	5	7 7 7	2-3 2-3 2-3	0-1	0	0	6.0-7.5	FAIR-GOOD FAIR-GOOD FAIR-GOOD
ROUNTREE EASTERN GAMAGRASS INDIANGRASS CHEYENNE	7 8 7 7	-	6 10 5 6	7 6 7 7	2-3 2-4 1-3 1-3	0-3 0-1	0 0-5	0-1 0	5.5-7.5 5.5-7.5	FAIR-GOOD FAIR FAIR FAIR
NEBRÄSKÄ 54 OSAGE RUMSEY SHITCHGRASS	7 7 7 8		6 6 5 6 7	7 7 7 5	1-3 1-3 1-3 1-2	0-2	0	Ú	5.5-8.0	FAIR FAIR FAIR GOOD
BLACKWELL CAVE-IN-ROCK KANLOW PATHFINDER	8 8 8	-	8 6	5 5 5 5 6	1-5 1-5 1-5					600D 600D PDOR 600D
TRAILBLAZER COOL SEASON GRASSES	8	•	6	6	1-2					600D
CREEPING FOXTAIL	8		6 7	7	1-2	1-5	1-2	0–5	5.5-7.0	PODR POOR
SARRISON SRCHAROGRASS	8		6 7	7	1-2 •	1-2	1-2	0-2	5.5-7.0	POOR
LATAR	ā			7	1-2					POOR
REED CANARYGRASS IGREED	8		7 8	6	1-2 1-2	1-2	1-2	0-5	5.5-7.0	POOR POOR
RISE	ě		8 8 6 7	ē	1-2	ء ما				POOR
TALL FESCUE KENHY	7		ь 7	4	1	1-2	1-2	0-2	6.2-7.0	POOR POOR
KENTUCKY 31	Ż		7	, i	1					POÓR
MISSOURI 96 WHEATGRASS	7		7	•	.1					POOR
TALL	7		5	•	1-2	1-2	1-2	0-1	7.0-8.5	FAIR
JOSE WESTERN	7		6	4 5	1-2 1-3	0-1	0-1	0-1	6,5-8,5	FAIR 6000
BARTON	Ż		Š	Š	1-3	-	• •	• •		600D

- 1 / ADAPTABILITY 0=NOT ADAPTED, 1-3=POOR, 4-6=FAIR, 7-9=GOOD; N=NORTH OF THE SMOKY HILL AND KANSAS RIVERS; S=ADAPTED IN SOUTHERN COUNTIES ONLY.
- 2 / SPECIES PRODUCTIVITY A POTENTIAL ANIMAL UNIT MONTH RATING FOR EACH CULTIVAR. THIS AUM FACTOR, FOR THE SPECIES, TIMES THE ADAPTABILITY FACTOR, DIVIDED BY 9, SHOULD GIVE A POTENTIAL AUM PRODUCTIVITY RATING OF THIS SPECIES OR CULTIVAR ON THIS GROUP.
- 3_/6RAZING PREFERENCE SCRLE 1 8, (1=POOR, 8=EXCELLENT).
- 4 / STAND ESTABLISHMENT NUMBERS = APPROXIMATE YEARS FOR ESTABLISHMENT.
- 5_/ FERTILIZER NEEDS O=NONE; 1=10-50 POUNDS OF N, 20-40 POUNDS OF P, 20-40 POUNDS OF K; 2=50-100 POUNDS OF N, 40-60 POUNDS OF P, 40-70 POUNDS OF K; 3=100+ POUNDS OF N, 60+ POUNDS OF P, 70+ POUNDS OF K, THE FIRST CATEGORY IS WHAT IS NEEDED TO MAINTAIN A HEALTHY STAND. THE SECOND CATEGORY IS THE HIGHEST AMOUNT EXPECTED TO GIVE A FAVORABLE RESPONSE ON DRYLAND. SOIL TEST RECOMMENDATIONS SHOULD ALMAYS BE USED ON IRRIGATED PASTURES AND OTHER INTENSIVELY MANAGED PASTURES.
- 6 / Ph RANGE LOW AND HIGH Ph RECORMENDED FOR THE SPECIES.

SUITABILITY GROUP C-2

(Wet Clayey)

Description: Deep, very poorly drained soil with clayey surfaces and

subsoils. Soils in this subgroup occur on floodplains and terraces which receive extra moisture from adjoining areas.

The subsoil is very slowly permeable.

Limitations: These soils have a seasonal high water table during the

winter and spring but are droughty during the summer.

Soils: Albaton silty clay

Wabash silty clay, silty clay loam

_RA: 106 & 107 SUITABILITY GROUP: C-2

		CIES ILITY 1 /	SPECIES PRODUC- TIVITY	GRAZING PREFERENCE	STAND ESTABLISH-		TILIZ EDS 5		Ph RANGE	DROUGHT
SPECIES		IRRIGATED	'. <u>2</u> ./'	3_/	MENT 4_/	N	b .	-K	6_/	TOLERANCE
WART SEASON BRASSES										
BIG RUESTEN	6		5	7	2-3	0-1	0	0	6.0-7.5	FAIR-600D
KAN	Ģ		6	7	2-3					FAIR-600D
<i>PAH</i> NEE ROUNTREE	Ď		þ	ζ'	2-3					FAIR-600D FAIR-600D
SWITCHERASS	7		<u> </u>	<u> </u>	2-3 1-2	0-2	0	0	5.5-6.0	600D
BLACKHELL	ż		ž	ž	1-5	VE	v	v	3. 3 0. 0	600D
CAVE-IN-ROCK	ż		7	5	1-2					GOGD
KANLON	Ż		ė	Ĭ,	i-ž					POOR
PATHEINDER	7		8 6	Ś	i-ē					600D
TRAILBLAZER	7		6	6	1-2					6000
COOL SEASON GRASSES										
CREEPING FOXTAIL	7		6	7	1-2	1-5	1-2	0-5	5.5-7.0	POOR
Barrison	7		7	7	1-2	1				POOR
URCHARDERASS	7		6	7	1-5	1-2	1-2	0-5	5.5-7.0	POOR
LATAR	7		7	7	1-5	l				POOR
REED CAMARYGRASS	7		7	6	1-5	1-2	1-5	0-5	5.5-7.0	POOR
IOREED	4		5	è	1-5					POOR POOR
RISE TALL FESCUE	4		5	P	1-2	-2	1_2	^ 2	6.2-7.0	POOR
KENHY	É		7	1	•	1-6	1-5	V-E	0.2-7.0	POOR
KENTUCKY 31	7		ż	Ĭ.	i					POOR
AISSOURI 96	į		7	Ä	i					POOR
WHEATGRASS	•		÷	•	_					
TALL	7		5	4	1-2	1-2	1-2	0-1	7.0-8.5	FAIR
J0 9 E	7		6	4	1-5					FAIR
WESTERN	7		4	5	1-3	0-1	0-1	0-1	6.5-8. 5	600D
BARTON	7		5	5	1-3					600D

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- 2 / SPECIES PRODUCTIVITY A POTENTIAL ANIMAL UNIT MONTH RATING FOR EACH CULTIVAR. THIS AUM FACTOR, FOR THE SPECIES, TIMES THE ADAPTABILITY FACTOR, DIVIDED BY 9, SHOULD GIVE A POTENTIAL AUM PRODUCTIVITY RATING OF THIS SPECIES OR CULTIVAR ON THIS GROUP.
- 3_/SAAZING PREFERENCE SCALE 1 8, (1=POOR, 8=EXCELLENT).
- 4 / STAND ESTABLISHMENT NUMBERS = APPROXIMATE YEARS FOR ESTABLISHMENT.
- 5_/ FERTILIZER NEEDS 0=NONE; 1=10-50 POUNDS OF N, 20-40 POUNDS OF P, 20-40 POUNDS OF K; 2=50-100 POUNDS OF N, 40-60 POUNDS OF P, 40-70 POUNDS OF K; 3=100+ POUNDS OF N, 60+ POUNDS OF P, 70+ POUNDS OF K. THE FIRST CATEGORY IS WHAT IS NEEDED TO MAINTAIN A HEALTHY STAND. THE SECOND CATEGORY IS THE HIGHEST AMOUNT EXPECTED TO GIVE A FAVORABLE RESPONSE ON DRYLAND. SOIL TEST RECOMMENDATIONS SHOULD ALMAYS BE USED ON IRRIGATED PASTURES AND OTHER INTENSIVELY MANAGED PASTURES.
- 6 / Ph RONGE LOW AND HIGH Ph RECOMMENDED FOR THE SPECIES.

SUITABILITY GROUP E-1

(Shallow)

Description: Shallow, well drained or somewhat excessively drained soils

with loamy surfaces and subsoils, over bedrock or other dense unfractured material. Soils in this group are underlain by bedrock at depths less than 20 inches.

Limitations: Shallow root zone and low available water capacity.

Soils: Basehor loam

Vinland silty clay loam, complex

LRA: 106 & 107 SUITABILITY GROUP: E-

Species	ADAPTAB	CIES ILITY 1 / IRRIGATED	SPECIES PRODUC- TIVITY 2_/	GRAZING PREFERENCE 3_/	STAND ESTABLISH- MENT 4_/		TILIZ EDS 5		Ph RANGE 6_/	DROUGHT TOLERANCE
AARM SEASON GAASSES BIS BLUESTEM KAM	7 7	0	5 6	7 7	2-3 2-3	0-1	0	0	6.0-7.5	FAIR-GOOD FAIR-GOOD
PAINEE ROUNTREE INDIANGRASS CHEYENNE	6 7 7 6	0 0 0	5	7 7 7 7	2-3 2-3 2-3 1-3 1-3	D-1	0	0	5.5-7.5	FAIR-GOOD FAIR-GOOD FAIR FAIR
NEBRASKA 54 DSAGE RUNSEY SIDEDATS GRAMA	7 7 7 8	0 0 0	566556663	7 7 7 5	1-3 1-3 1-3 1-3	b- 1	0	٥	6.0-7.5	FAIR FAIR FAIR GGGD
EL REND TRAILWAY SWITCHGRASS	8 8 7	0	4	55555556	1-3 1-3 1-2	0-5	0	0	5.5-8.0	6000 6000 6000
BLACKWELL CAVE-IN-ROCK PATHFINDER TRAILBLAZER	6 7 7	0 0 0	5 6 7 6	5 5 6	1-2 1-2 1-2 1-2					600D 600D 600D
COOL SEASON BRASSES SMOOTH BRONEGRASS ACHENBACH	5 5	0	6 7	7	1	1-2	1-2	0-5	5.5-7.0	FAIR FAIR
LINCOLN SGUTHLAND TALL FESCUE	55553233	0	7 7 6 7	7 7 4	i 1	1-2	1-2	0-2	6.2-7.0	FAIR FAIR POOR
KENHY KENTUCKY 31 KISSOURI 96	3	0 0 0	7 7		ļ					POGR POGR POGR
LEGUMES ALFALFA (STANDARD) (RHIZOMATOUS) CROWNVETCH	6 5 6	0	10 7 8	8 8 5	1-2 1-3	6-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1-3 1-3 0-2	1-3 1-2 1-2	6.5-8.0 6.5-8.0 6.5-8.0	6000 80GD FAIR
ENERALD	6	0	8	5	1-3	7 -	_	-	-	FAIR

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- 2 / SPECIES PRODUCTIVITY A POTENTIAL ANIMAL UNIT MONTH RATING FOR EACH CULTIVAR. THIS AUM FACTOR, FOR THE SPECIES, TIMES THE ADAPTABILITY FACTOR, DIVIDED BY 9, SHOULD GIVE A POTENTIAL AUM PRODUCTIVITY RATING OF THIS SPECIES OR CULTIVAR ON THIS GROUP.
- 3 / GRAZING PREFERENCE SCALE 1 8, (1=POOR, 8=EXCELLENT).
- 4 / STAND ESTABLISHMENT NUMBERS = APPROXIMATE YEARS FOR ESTABLISHMENT.
- 5_/ FERTILIZER NEEDS O=NONE; 1=10-50 POUNDS OF N, 20-40 POUNDS OF P, 20-40 POUNDS OF K; 2=50-100 POUNDS OF N, 40-60 POUNDS OF P, 40-70 POUNDS OF K; 3=100+ POUNDS OF N, 60+ POUNDS OF P, 70+ POUNDS OF K, THE FIRST CATEGORY IS WHAT IS NEEDED TO MAINTAIN A HEALTHY STAND. THE SECOND CATEGORY IS THE HIGHEST AMOUNT EXPECTED TO GIVE A FAVORABLE RESPONSE ON DRYLAND. SOIL TEST RECOMMENDATIONS SHOULD ALMAYS BE USED ON IRRIGATED PASTURES AND OTHER INTENSIVELY MANAGED PASTURES.
- 6 / Ph RANGE LOW AND HIGH Ph RECOMMENDED FOR THE SPECIES.

SUITABILITY GROUP F-1

(Loamy-Moderately Deep)

Description:

Moderately deep, well drained or moderately well drained soils with loamy surfaces and subsoils. Soils in this subgroup occur on uplands and are underlain by bedrock at

depths of 20 to 40 inches.

Limitations: Restricted root depth due to bedrock.

Soils: Labette silty clay loam

Sibleyville loam, complex

Vinland varient

Wamego silty clay loam

Species		CIES ILITY 1 / IRRIGATED	SPECIES PRODUC- TIVITY 2_/	GRAZING PREFERENCE 3_/	STAND ESTABLISH- HENT 4_/	FEI Ni	RTILI EDS :		Ph RANGE 6_/	DROUGHT Tolerance
WARM SEASON GRASSES BIG BLUESTEM KAN PANNEE ROUNTREE	7 7 6 7	7 7 6 7	5 6 6	7 7 7	2-3 2-3 2-3 2-3	d -1	0	0	6.0-7.5	FAIR-GOOD FAIR-GOOD
INDIANGRASS CHEYENNE NEBRASKA 54 OSAGE	7 7 7 7 7	7 7 7 7	5 6 6	7 7 7 7 7	2-3 1-3 1-3 1-3 1-3	0 -1	0	0	5.5-7.5	FAIR-GOOD FAIR FAIR FAIR FAIR
RUMSEY SKITCHGRASS BLACKWELL CAVE-IN-ROCK PATHFINDER	7 7 7 7	7 7 7 7	5666566656766	7 7 7 5 5 5 6	1-3 1-2 1-2 1-2 1-2	0-5	0	0	5.5-8.0	FAIR 600D 600D 600D 600D
TRATEBLAZER COOL SEASON GRASSES	7	7	Ğ	6	i-ē					6000
SMOOTH BROMEGRASS ACHENBACH LINCOLN	7 7 7	7 7 7	6 7 7	7 7 7	1 1	1+2	1-2	0-2	5.5-7.0	FAIR FAIR FAIR
SDUTHLAND TALL FESCUE KENHY KENTUCKY 31	7 6 5 6	7 7 6 7	7 6 7 7	7 4 4	1 1 1	1+2	1-2	0-5	6.2-7.0	FAIR POOR POOR POOR
MTSSOURT 96 WHEATGRASS WESTERN	6 6	7 6	7 4	5	i	مار	Δ.1		, , , ,	POOR
BARTON LEGIMES	6	6	3	5	1-3 1-3	0+1	0-1	V-1	6.5-8.5	600D 600D
ALFALFA (STANDARD) (RHIZOMATOUS) BIRDSFOOT TREFDIL	7 6 4	7 6 6	10 7 8	8 8 8	i i-2 i	0-1 0-1 0-1	1-3 1-3 1-3	1-3 1-2 1-3	6.5-8.0 6.5-8.0 6.2-7.0	600D 600D FAIR
CROWNVETCH EMERALD RED CLOVER SWEET CLOVER	6 5 5	6 6 6	8 8 6 7	8 5 6 7	1-3 1-3 1	0-1 0-1 0-1	0-2 1-3 0-2	1-2 1-3 1-2	6.5-8.0 6.5-8.0 6.5-8.0	FAIR FAIR POOR FAIR

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^{2./} SPECIES PRODUCTIVITY - A POTENTIAL ANIMAL UNIT MONTH RATING FOR EACH CULTIVAR. THIS AUM FACTOR, FOR THE SPECIES, TIMES THE ADAPTABILITY FACTOR, DIVIDED BY 9, SHOULD BIVE A POTENTIAL AUM PRODUCTIVITY RATING OF THIS SPECIES OR CULTIVAR ON THIS GROUP.

³_/GRAZING PREFERENCE - SCALE 1 - 8, (1=POOR, 8=EXCELLENT).

⁴_/ STAND ESTABLISHMENT - NUMBERS = APPROXIMATE YEARS FOR ESTABLISHMENT.

⁵_/ FERTILIZER NEEDS - 0=NONE; 1=10-50 POLINDS OF N, 20-40 POUNDS OF P, 20-40 POUNDS OF K; 2=50-100 POUNDS OF N, 40-60 POUNDS OF P, 40-70 POUNDS OF K; 3=100+ POUNDS OF N, 60+ POUNDS OF P, 70+ POUNDS OF K. THE FIRST CATEGORY IS WHAT IS NEEDED TO MAINTAIN A HEALTHY STAND. THE SECOND CATEGORY IS THE HIGHEST AMOUNT EXPECTED TO GIVE A FAVORABLE RESPONSE ON DRYLAND. SOIL TEST RECOMMENDATIONS SHOULD ALWAYS BE USED ON IRRIGATED PASTURES AND OTHER INTENSIVELY MANAGED PASTURES.

⁶_/ Ph RANGE - LOW AND HIGH Ph RECOMMENDED FOR THE SPECIES.

SUITABILITY GROUP F-2

(Limy-Moderately Deep)

Description:

Moderately deep, well drained or moderately well drained soils with loamy surfaces and loamy to clayey subsoils. Soils in this subgroup occur on uplands and have calcareous surface and subsurface layers and are underlain with

calcareous bedrock at depths of 20 to 40 inches.

Soils in this group are slightly affected by limy surfaces and subsoils and have a restricted root depth. Limitations:

Soils: Clime complex

LRA: 106 & 107 SUITABILITY GROUP: F-2 -2-

SPECIES		CIES ILITY 1 / IRRIGATED	SPECIES PRODUC- TIVITY 2_/	GRAZING PREFERENCE 3_/	STAND ESTABLISH MENT 4_/		TILIZ EDS 5		Ph RANGE 6_/	DROUGHT TOLERANCE
MARM SEASON GRASSES BIG BLUESTEM KAN PANNEE	7 7 6	0	5 6	7 7 7	2-3 2-3 2-3	0-1	0	0	6.0-7.5	FAIR-600D FAIR-600D FAIR-600D
ROUNTREE INDIANGRASS CHEYENNE NEBRASKA 54	7 7 7 7	0	56665666656766	7 7 7	2-3 1-3 1-3 1-3	0-1	0	0	5.5-7.5	FAIR-GOOD FAIR FAIR FAIR
DSAGE RUMSEY SHITCHBAASS BLACKHELL	7 7 7 7	0	6 5 6	7 7 5 5 5 5	1-3 1-3 1-2 1-2	0-2	0	0	5.5-8.0	FAIR FAIR 6000 6000
EAVE-IN-ROCK PATHFINDER TRAILBLAZER COOL SEASON GRASSES	7 7	0	6 6	5 6	1-2 1-2 1-2					6000 6000 6000
SHOOTH BRONESRASS SHOOTH BRONESRASS ACHENBACH LINCOLN SSUTHLAND	7 7 7	0	6 7 7 7	7 7 7	1 1 1	l -2	1-5	0-5	5.5-7.0	FAIR FAIR FAIR FAIR
MHEATGRASS MESTERN BARTON	6	0	4 5	5 5	1-3 1-3	0-1	0-1	0-1	6.5-6.5	6000 6000
LEGUMES ALFALFA (STANDARD) (RHIZOMATOUS) BIRDSFOOT TREFOIL CROWNVETCH	7 6 4 6	0	10 7 8 8	8 8 5	1 1-2 1 1-3	0-1 0-1 0-1 0-1	1-3 1-3 1-3 0-2	1-3 1-2 1-3 1-2	6.5-8.0 6.5-8.0 6.2-7.0 6.5-8.0	GOOD GOOD FAIR FAIR
ENERALD RED CLOVER SWEET CLOVER	6 5 5	0	8 6 7	5 8 7	1-3 1 1	0-i 0-i 0-1	1-3	1-3 1-2	6.5-8.0 6.5-8.0	FAIR POOR FAIR

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- 3 /GRAZING PREFERENCE SCALE 1 8, (1=POOR, 8=EXCELLENT).
- 4_/ STAND ESTABLISHMENT NUMBERS = APPROXIMATE YEARS FOR ESTABLISHMENT.
- 5_/ FERTILIZER NEEDS 0=NONE; 1=10-50 POUNDS OF N, 20-40 POUNDS OF P, 20-40 POUNDS OF K; 2=50-100 POUNDS OF N, 40-60 POUNDS OF P, 40-70 POUNDS OF K; 3=100+ POUNDS OF N, 60+ POUNDS OF P, 70+ POUNDS OF K. THE FIRST CATEGORY IS WHAT IS NEEDED TO MAINTAIN A HEALTHY STAND. THE SECOND CATEBORY IS THE HIGHEST AMOUNT EXPECTED TO GIVE A FAVORABLE RESPONSE ON DRYLAND. SOIL TEST RECOMMENDATIONS SHOULD ALMAYS BE USED ON IRRIGATED PASTURES AND OTHER INTENSIVELY MANAGED PASTURES.
- 6_/ Ph RANGE LOW AND HIGH Ph RECOMMENDED FOR THE SPECIES.

SUITABILITY GROUP F-4

(Clayey)

Description:

Deep and moderately deep, well drained to somewhat poorly drained soils with loamy or clayey surfaces and clayey subsoils. (If surface texture is loamy, it is less than

14 inches over dense clayey subsoil.)

Limitations:

Slowly or very slowly permeable clayey subsoils.

Soils:

Gosport silty clay loam, complex

Haig silty clay loam Oska silty clay loam Wymore silty clay loam

LRA: 106 & 107 SUITABLLITY BROWN: F-4

	ADAPTAB	CIES ILITY 1_/	SPECIES PRODUC- TIVITY	GRAZING PREFERENCE			ITILII EDS S		Ph RANGE	DROU BH T
Species	DRYLAND	IRAIGATED	5_1	3_/	MENT 4_/	N	P	4	6_/	TOLERANCE
HARM SEASON GRASSES										
BIG BLUESTEM	7	7	5	7	2-3	0-1	0	0	6.0-7.5	FAIR-600D
KAN	7	7	5	7	2-3					FAIR-6000
PANNEE ROLNTREE	*	P	, b	4	2-3 2-3					FAIR-600D FAIR-600D
INDIANGRASS	7	' 9	5	4	1-3	0-1	0	٥	5, 5-7, 5	FAIR
CHEYENNE	ż	ż	6	ż	1-3	٧.	•	•		FAIR
NEBRASKA 54	7	7	Ğ	7	1-3					FAIR
OSAGE	7	7	6 6 5 6 7	7	1-3					FAIR
RUMSEY	Ţ	7	5	7	1-3	la 2	^			FAIR
SWITCHGRASS SLACKWELL	b	4	Ž	5	1-2	0-2	0	Q	5.5 -8 .0	800D 600D
EAVE-IN-ROCK	6 6 5	ź	7	5 5 5	1-2 1-2 1-2					600D
PATHFINDER	Š	Ż	Ġ	Š	1-2					6000
TARILBLAZER	6	7	6	6	1-2					600D
2001 SEASON GRASSES										
DRCHARDGRASS	5	6	6	7	1-2	1-2	1-2	0-2	5.5-7.0	POOR
LATAR	5	6	7	7	1-2					PODR
SMOOTH BROMEGRASS	7	7	6	7	1	1-2	1-2	0-5	5.5-7.0	FAIR
ACHENBACH LINCOL	1	4	4	4	1					FAIR FAIR
SOUTHLEND	7	4	ή	7	,					FAIR
TALL FESCUE	Ė	'n	Ŕ	i i	1	1-2	1-2	0-2	6.2-7.0	POOR
KENHY	5	Ġ	7	į.	Ī			•		POOR
KENTUC+Y 31	6	7	7	4	1					POOR
#15 50 U/1 96	6	7	7	4	1					POOR
#HEATGRASS					. •	مسا				C000
WESTERN	Ģ	6 5	4	5 5	-3	0-1	0-	V-1	6.5-8.5	600D 600D
BARTEN	6	Ð	5	5	1-3					0 UU <i>U</i>

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- 3 / GRAZING PREFERENCE SCALE 1 8, (1=POOR, 8=EXCELLENT).
- 4 / STAND ESTABLISHMENT NUMBERS = APPROXIMATE YEARS FOR ESTABLISHMENT.
- 5 / FERTILIZER NEEDS 0=NONE; 1=10-50 POUNDS OF N., 20-40 POUNDS OF P., 20-40 POUNDS OF K; 2=50-100 POUNDS OF N. 40-60 POUNDS OF P. 40-70 POUNDS OF K; 3=100+ POUNDS OF N. 60+ POUNDS OF P., 70+ POUNDS OF A. THE FIRST CRIEGORY IS WHAT IS NEEDED TO MAINTAIN A HEALTHY STAND. THE SECOND CRIEGORY IS THE HIGHEST AMOUNT EXPECTED TO BIVE A FAVORABLE RESPONSE ON DRYLAND. SOIL TEST RECOMMENDATIONS SHOULD ALWAYS BE USED ON IRRIGATED PASTURES AND OTHER INTENSIVELY MANAGED PASTURES.
- 6 / Ph RONG: LOW AND HIGH Ph RECOMMENDED FOR THE SPECIES.

SUITABILITY GROUP G-2

(Sodic)

Deep, moderately well drained soils with silty surfaces and dense clay subsoils. These soils contain accumulations of alkali or sodium salts. Description:

Excessive alkalinity or sodium salts. Limitations:

Soils: Dwight silt loam

SPECIES		CIES ILITY 1 / IRRIGATED	SPECIES PRODUC- TIVITY 2_/	GRAZING PREFERENCE 3_/	STAND ESTABLISH- MENT 4_/		RTILI EEDS P		Ph RANGE 6_/	DROUGHT TOLERANCE
WARM SEASON GRASSES BIG BLUESTEM KAW	7	0	5	7	2-3	d -1	0	0	6.0-7.5	FAIR-GOOD
INDIAMERASS NEBRASKA 54 OSAGE	7 5	0	6 5 6 6	7 7 7	2-3 1-3 1-3	0 -1	0	0	5.5-7.5	FAIR-GOOD FAIR FAIR
RUMSEY SIDEOATS GRAMA	6 7	0 0	6 3	7 7 5	1-3 1-3 1-3	6-1	0	0	6,0-7.5	FAIR FAIR 6000
EL RENG TRAILWAY SWITCHGRASS	7 7	0	4 5	755555556	1-3 1-3 1-2	0+2	0	0	5.5-8. 0	600D 600D 600D
Blackwell Cave-In-Rock Pathfinder	7 6 7	0 0 0	6 7 6	5 5 5	1-2 1-2 1-2	-1-				600D 600D 600D
TRAILBLAZER COOL SEASON GRASSES	7	0	6	6	1-2					600D
SMOOTH BROMEGRASS ACHENBACH LINCOLN	5 5	0 0 0	6 7	7 7	1	1 2	1-2	0-5	5.5-7.0	FAIR FAIR
SOUTHLAND TALL FESCUE KENHY	55556566	0	7 6	7	1	1+2	i - 2	0-5	6.2-7.0	FAIR FAIR POOR
KENTUCKY 3. MISSOURI 96	6 6	0	7 7		1					POOR POOR POOR
MESTERN MESTERN BARTON	6 6	0	4 5	5 5	1-3 1-3	0 1	0-i	0-1	6.5-8.5	600D

- 1_/ ADAPTABILITY O=NOT ADAPTED, 1-3=POOR, 4-6=FAIR, 7-9=GOOD; N=NORTH OF THE SMOKY HILL AND KANSAS RIVERS; S=ADAPTED IN SOUTHERN COUNTIES ONLY.
- 2_/ SPECIES PRODUCTIVITY A POTENTIAL ANIMAL UNIT MONTH RATING FOR EACH CULTIVAR. THIS AUM FACTOR, FOR THE SPECIES, TIMES THE ADAPTABILITY FACTOR, DIVIDED BY 9, SHOULD GIVE A POTENTIAL AUM PRODUCTIVITY RATING OF THIS SPECIES OR CULTIVAR ON THIS GROUP.
- 3_/GRAZING PREFERENCE SCALE 1 8, (1=POOR, 8=EXCELLENT).
- 4_/ STAND ESTABLISHMENT NUMBERS = APPROXIMATE YEARS FOR ESTABLISHMENT.
- 5_/ FERTILIZER NEEDS O=NONE; 1=10-50 POUNDS OF N, 20-40 POUNDS OF P, 20-40 POUNDS OF K; 2=50-100 POUNDS OF N, 40-60 POUNDS OF P. 40-70 POUNDS OF K; 3=100+ POUNDS OF N, 60+ POUNDS OF P, 70+ POUNDS OF K. THE FIRST CATEGORY IS WHAT IS NEEDED TO MAINTAIN A HEALTHY STAND. THE SECOND CATEGORY IS THE HIGHEST AMOUNT EXPECTED TO GIVE A FAVORABLE RESPONSE ON DRYLAND. SOIL TEST RECOMMENDATIONS SHOULD ALMAYS BE USED ON IRRIGATED PASTURES AND OTHER INTENSIVELY MANAGED PASTURES.
- 6_/ Ph RG-VGE LOW AND HIGH Ph RECOMMENDED FOR THE SPECIES.

SUITABILITY GROUP H

(Not Suitable)

Description: This group includes various textures and phases of soils and

land types which occur on a wide range of slopes and

topography.

Limitations: Soils in this group are generally too shallow, erosive,

gravelly, stony, or rocky; too steep, droughty, wet, clayey, or saline and alkaline for good survival or growth of

pasture species.

Soils: Basehor stony fine sandy loam, complex

Borrow pits

Breaks

Gravelly land

Kipson silty clay loam, complex

Sogn complex

Recommended Species: See Standards and Specifications for Critical Area Planting (342).